

# Comparisons of Job Characteristics

**Focus Occupation:** [Rail Car Repairers \(49-3043\)](#)

**Associated Occupation:** [Maintenance Workers, Machinery \(49-9043\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 84

**Focus Occupation:** Rail Car Repairers (49-3043)

**Associated Occupation:** Maintenance Workers, Machinery (49-9043)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	21.8	14.0	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	10.8	4.5	<<	Extensive education and/or training may be required
Building and Construction	4.0	10.3	5.1	<<	Extensive education and/or training may be required
Design	5.2	9.2	4.6	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 91

**Focus Occupation:** Rail Car Repairers (49-3043)

**Associated Occupation:** Maintenance Workers, Machinery (49-9043)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Equipment Maintenance	3.5	11.9	10.6	<	A higher skill level may be required
Operation Monitoring	6.6	11.9	9.8	<	A higher skill level may be required
Repairing	3.4	11.8	12.0	0	Current skill level may be sufficient
Troubleshooting	4.5	11.0	11.5	0	Current skill level may be sufficient
Operation and Control	5.4	10.6	10.0	0	Current skill level may be sufficient
Quality Control Analysis	5.9	10.0	9.6	0	Current skill level may be sufficient
Equipment Selection	3.3	8.5	6.2	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 79			
Focus Occupation: Rail Car Repairers (49-3043) Associated Occupation: Maintenance Workers, Machinery (49-9043)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Arm-Hand Steadiness	6.8	10.7	12.3	>	Current ability level is likely sufficient
Visualization	7.5	10.0	10.3	0	Current ability level may be sufficient
Reaction Time	4.8	8.4	10.8	>	Current ability level is likely sufficient
Static Strength	5.0	8.4	11.5	>>	Current ability level is likely more than sufficient
Extent Flexibility	4.8	7.9	11.8	>>	Current ability level is likely more than sufficient
Rate Control	3.8	7.1	6.7	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 92
<b>Focus Occupation: Rail Car Repairers (49-3043)</b> <b>Associated Occupation: Maintenance Workers, Machinery (49-9043)</b>		
Work Activities	Exclusivity of Activity	
Adhere to safety procedures	12	
Adjust or set mechanical controls or components	69	
Clean equipment or machinery	20	
Construct, erect, or repair wooden frameworks or structures	73	
Cut, shape, fit, or join wood or other construction materials	58	
Erect scaffold	56	
Fabricate sheet metal parts or items	80	
Fabricate, assemble, or disassemble manufactured products by hand	11	
Inspect machinery or equipment to determine adjustments or repairs needed	42	
Maintain or repair industrial or related equipment/machinery	39	
Maintain repair records	65	
Move or fit heavy objects	8	
Operate hoist, winch, or hydraulic boom	34	
Operate vacuum or air hose	95	
Perform safety inspections in industrial, manufacturing or repair setting	32	
Read specifications	23	
Read work order, instructions, formulas, or processing charts	9	

Repair or replace malfunctioning or worn mechanical components	62
Test mechanical products or equipment	56
Understand service or repair manuals	40
Understand technical operating, service or repair manuals	6
Use acetylene welding/cutting torch	54
Use basic carpentry techniques	62
Use hand or power tools	2
Use hand or power woodworking tools	65
Use measuring devices in repairing industrial or heavy equipment	84
Use precision measuring devices in mechanical repair work	61

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: n/a

**Focus Occupation: Rail Car Repairers (49-3043)**  
**Associated Occupation: Maintenance Workers, Machinery (49-9043)**

### Tools and Technologies

### Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.